

6/26/2003

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## CLAIMS

1. A system for controlling a first component comprising:

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means for interrogating a first parameter having an associated threshold;

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means for determining whether the first parameter meets the associated threshold; and

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means, responsive to a successful determination, for adjusting a second parameter for controlling the first component,

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wherein the first and second parameters are expressed as a logical expression and wherein each parameter comprises at least three values corresponding to a minimum value and a maximum value together representing a range and a variable value.

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2. A system as claimed in claim 1, further comprising means for initialising each parameter, wherein upon initialisation, the variable value represents an initial value.

3. A system as claimed in claim 1, wherein upon interrogation, the variable value represents a current value.

4. A system as claimed in claim 3, comprising means, responsive to the current value of the first parameter lying outside of the range, for executing an action.

5. A system as claimed in claim 3, wherein the means for adjusting adjusts the current value of the second parameter.

6. A system as claimed in claim 2, wherein the means for initialising is executed by an application program.

7. A system as claimed in claim 1, further comprising a network and a second component, wherein the second parameter controls the first and second components.

8. A method of controlling a first component comprising the steps of:

interrogating a first parameter having an associated threshold;

determining whether the first parameter meets the associated threshold; and

adjusting, in response to a successful determination,  
a second parameter for controlling the first component,

wherein the first and second parameters are expressed  
as a logical expression and wherein each parameter  
comprises at least three values corresponding to a minimum  
value and a maximum value together representing a range and  
a variable value.

9. A method as claimed in claim 8, further comprising  
the step of initialising each parameter, wherein upon  
initialisation, the variable value represents an initial  
value.

10. A method as claimed in claim 8, wherein upon  
interrogation, the variable value represents a current  
value.

11. A method as claimed in claim 10, further comprising  
the step of executing, in response to the current value of  
the first parameter lying outside of the range, an action.

12. A method as claimed in claim 10, wherein in the  
adjusting step, the current value of the second parameter  
is adjusted.

13. A method as claimed in claim 9, wherein an application program executes the initialising step.

14. A method as claimed in claim 8, for use in a system comprising a network and a second component, wherein the second parameter controls the first and second components.

15. A computer program comprising program code means adapted to perform the method of claim 8 when said program is run on a computer.

16. A system for controlling a first medical component comprising:

means for interrogating a first physiological parameter having an associated threshold;

means for determining whether the first physiological parameter meets the associated threshold; and

means, responsive to a successful determination, for adjusting a second physiological parameter for controlling the first medical component,

wherein the first and second physiological parameters are expressed as a logical expression and wherein each physiological parameter comprises at least three values

corresponding to a minimum value and a maximum value together representing a range and a variable value.

5 17. A system as claimed in claim 16, further comprising means for initialising each physiological parameter, wherein upon initialisation, the variable value represents an initial value.

10 18. A system as claimed in claim 16, wherein upon interrogation, the variable value represents a current value.

15 19. A system as claimed in claim 18, comprising means, responsive to the current value of the first physiological parameter lying outside of the range, for executing an action.

20 20. A system as claimed in claim 18, wherein the means for adjusting adjusts the current value of the second physiological parameter.

21. A system as claimed in claim 17, wherein the means for initialising is executed by an application program.

25 22. A system as claimed in claim 16, further comprising a network and a second medical component, wherein the second

physiological parameter controls the first and second medical components.

5        23.    A system as claimed in claim 16, wherein the first medical component is at least one syringe driver.

24.    A system as claimed in claim 23, wherein the first physiological parameter represents a blood sugar level.

10       25.    A system as claimed in claim 24, wherein the second physiological parameter represents an insulin level.

26.    A system as claimed in claim 24, wherein the second physiological parameter represents a sugar solution level.

15       27.    A system as claimed in claim 16, wherein the first physiological parameter represents heart rate.

20       28.    A system as claimed in claim 27, wherein the second physiological parameter represents an amount of a drug.